GPRS/GSM Application Kit

• This Kit provides all the tools necessary to sample and develop applications that **combine a Rabbit based control device with a GSM/GPRS modem**. The libraries and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore module (RCM) that can interpret messages as commands and in turn execute control function. The RCM can also send/receive GPRS e-mail wirelessly to/from and PC, GSM device or cell phone.

Highlights: • Hardware/Software for wireless RCM communication and control via GPRS/GSM • Enfora™ Spider SA-GL Quad Band wireless modem and antenna • GUI and Keypad configuration menu system • Royalty-free TCP/IP stack in source code • Sample programs/libraries for generic modem operation • Fully integrated development software: compiler, editor and debugger for control applications

316-1063-ND (101-0948) **5517.80**

Rabbit Cloning Board

The Rabbit Cloning Board copies designated portions of flash memory from one Rabbit-based controller (the master) to another (the clone). Dynamic C® version 6.50 or later is needed to use the cloning board.

Benefits:

• The Rabbit Cloning Board replaces a PC or EPROM burner as the primary tool to load programs, thus reducing costs and workspace • Programs may be loaded quickly onto blank, soldered on flash devices
• High-speed transfers at 57,600 bps or 115,200 bps • Higher-speed data transfer of up to 921,600 bps starting with Dynamic C version 7.05 • Ideal for low-volume cloning production

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
Cloning Board	316-1101-ND	756.68	20-101-0589

Rabbit 3000A™ Microprocessor

Programming the Rabbit 3000A: Microprocessor hardware and software development is easy for Rabbit users. The Rabbit 3000A is programmed using the industry-proven Dynamic C® software development system from sister division Z-World.

Key Features: • Low-EMI: typically <10 dB µV/m @ 3m • Ultra-low power modes • 1.8-3.6V (5V tolerant I/O) • 55.5MHz clock speed • 56+ digital I/O • 6 serial ports supporting IrDA and ASync (4 of which support SPI; 2 support SDLC/HDLC) • Pulse capture and measurement • Quadrature encoder inputs • PWM outputs

Standard Features: • Glueless memory and I/O interface • Direct support for 1MB code/data space (up to 6MB with glueless interface) • Battery-backable real-time clock • Watchdog timer • Remote boot/program • Slave port interface

Design Advantages: • Extensive Ethernet/Internet support and royalty-free TCP/IP stack with source and sample programs • Dynamic C® development environment for real-time development and debugging • Exceptionally fast performance for math, logic and I/O

Description	Digi-Key Part No.	Price Each 2	10	100	Rabbit Part No.
Rabbit 3000A 55.5MHz, 128LQFP	316-1061-ND	123.28	111.59	106.28	20-668-0011

Rabbit 3000A/RCM3000 Development Kit

Digi-Key Part No. 316-1017-ND (101-0523) Only **2542.10**

The Rabbit 3000A/RCM3000 Development Kit includes an RCM3010 Ethernet core module (with Rabbit 3000A microprocessor, Flash, SRAM, Ethernet hardware), a prototyping board, complete Dynamic C SE software development system (not a trial version) with TCP/IP stack and documentation on CD-ROM, power supply and serial cable for programming and debugging.

RabbitCore™ RCM3400 Analog Core Module

Features:

• 3.3V operation • Powerful Rabbit 3000 microprocessor • Low-EMI (typically <10dB µV/m@3m) • RCM3400: 512K Flash/512K SRAM, RCM3410: 256K Flash/256K SRAM • 8 channel 12-bit A/D with programmable gain • 47 digital I/O, Auxiliary I/O bus • 5 serial ports (IrDA, SDLC/HDLC, Asynch, SPI) • MAC ID installed

Design Advantages:

• Ready-made platform for fast time-to-market • Compact size simplifies integration
• Dynamic C development environment for real-time development and debugging
• Exceptionally fast performance for math, logic, and I/O

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
RCM3400	316-1099-ND	586.64	20-101-0561
RCM3410	316-1100-ND	501.62	20-101-0562

Rabbit RCM3400 RabbitCore Development Kit

Digi-Key Part No. 316-1027-ND (101-0587) Only **3392.30**

The RCM3400 Development Kit includes an RCM3400 core module, a prototyping board, AC adapter (U.S. only), 10-pin header to DE9 programming cable with integrated level-matching circuitry, complete Dynamic C SE software development system (not a trial version) with documentation on CD-ROM and a bag of accessory parts for use on the Prototyping Board.

RabbitCore Wi-Fi Add On Kit

Digi-Key Part No. 316-1067-ND (101-0998) Only **1691.90**

The Wi-Fi Add On Kit includes Interposer Board (boards are not interchangeable between RCMs with different footprints, CompactFlash Wi-Fi Board, LinkSys Wi-Fi CompactFlash Card, 20-pin to 20-pin IDC header connection ribbon cable, 10-pin IDC header to DE9F serial cable, Sample Programs and software related specifically to the Wi-Fi Add on Kits on CD, Dynamic C upgrade to 9.21 or higher on CD, Getting Started instruction and Miscellaneous connection and mounting hardware including standoffs, if necessary.

RabbitCore™ RCM3100 Core Module

The RCM3100 features a battery-backable real-time clock, glueless memory and I/O interfacing, and ultra-low power "sleepy" modes. A fully enabled 8-bit slave port permits easy master-slave interfacing with another processor-based system, and an alternate I/O bus can be configured for 8 data lines and 6 address lines (shared with parallel I/O).

Features:

• Actual Size: 1.85" x 1.65" x 0.55" (47mm x 42mm x 14mm) • 29.4 MHz clock speed • 3.3V operation • Powerful Rabbit 3000™ microprocessor • Low-EMI (typically <10 dB µV/m @ 3m) • RCM3100: 512K Flash/512K SRAM • RCM3110: 256K Flash and 128K SRAM • 54 digital I/O • 6 serial ports (IrDA, SDLC/HDLC, Async, SPI) • Auxiliary I/O bus • Ultra-low power "sleepy" modes • Pulse capture and measurement • Quadrature encoder inputs • PWM outputs

Design Advantages:

• Ready-made platform for fast time-to-market • Compact size simplifies integration • Pin compatible with Ethernet RCM3000 for parallel product development • Dynamic C® development environment for real-time development and debugging • Exceptionally fast performance for math, logic, and I/O

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
RCM3100	316-1095-ND	552.63	20-101-0517
RCM3110	316-1096-ND	382.59	20-101-0518

Rabbit RCM3100 RabbitCore Development Kit

Digi-Key Part No. 316-1020-ND (101-0533) Only **2031.98**

The RCM3100 Development Kit includes an RCM3110 core module (with Rabbit 3000 microprocessor, Flash, SRAM, serial ports, and I/O ports), a prototyping board, complete Dynamic C SE software development system (not a trial version) with documentation on CD-ROM, AC adapter (U.S. only) and serial cable for programming and debugging.

RabbitCore™ RCM3000 Core Module

Features:

• Actual Size: 2.73" x 1.85" x .086" (69mm x 47mm x 22mm) • 29.4MHz clock speed • 10Base-T • Powerful Rabbit 3000™ microprocessor • Low-EMI (typically <10 dB µV/m @ 3m) • Built-in Ethernet for simplified connectivity • 3.3V operation • RCM3000: Up to 512K Flash/512K SRAM • RCM3010: 256K Flash and 128K SRAM • 52 digital I/O • 6 serial ports (IrDA, SDLC/HDLC, Async, SPI) • Auxiliary I/O bus • Ultra-low power "sleepy" modes • Pulse capture and measurement • Quadrature encoder inputs • PWM outputs

Design Advantage:

• Ready-made platform for fast time-to-market • Dynamic C® development environment for real-time development and debugging

Description	Digi-Key Part No.	Price Each	Rabbit Part No.
RCM3000	316-1093-ND	671.66	20-101-0507
RCM3010	316-1094-ND	501.62	20-101-0508